

# M.J.P. Rohilkhand University, Bareilly

Date: 02-06-2015

To

**The Chief Project Coordinator**

State Project Facilitation Unit, UP

151 floor Board of Vocational Examination Building

Government ITI campus, Aliganj, Lucknow

**Sub: Regarding reference Institution Development Proposal in TEQIP-II under subcomponent 1.1**

Sir,

Kindly refer to the information for Institution Eligibility Proposal, enclosed herewith in TEQIP-II under Sub-Component 1.1: Strengthening Institution to improve learning outcomes and employability of graduates.

Following is the information on requisite format.

Submitted for necessary action.

Dean, IET

Vice-Chancellor

Faculty of Engineering & Technology

M.J.P. Rohilkhand University, Bareilly

Sub component 1.1 TEQIP-II

# M.J.P. Rohilkhand University, Bareilly-UP

Date: 02-06-2015

To

**The Chief Project Coordinator**

State Project Facilitation Unit,

Lucknow

**Sub: Submission of Revised Institutional Development Proposal (IDP) for TEQIP-II**

**under subcomponent 1.1**

Madam,

Kindly find the revised IDP as per the instructions of NPIU & SPFU.

Submitted for necessary action.

Prof. A.K. Gupta

Dean

Faculty of Engineering & Technology

University,

Bareilly UP

M.J.P. Rohilkhand

Sub component 1.1 TEQIP-II

## 1. INSTITUTIONAL BASIC INFORMATION

### 1.1 Institutional Identity

- Name of the Institution : Faculty of Engineering and Technology M.J.P. Rohilkhand University, Bareilly-243006
- Is the Institution AICTE approved : Yes
- Furnish AICTE approved no. : F.No.-720-67-231/RC/94
- Permanent AICTE ID : B.Tech. 1-18440821
- Type of Institution : Government Funded
- Status of Institution : Constituent part of university
- Name of Head of Institution :
  - a. Head of M.J.P. Rohilkhand University: Prof. Mushahid Hussain, Vice-Chancellor
  - b. Head of Faculty of Engineering and Technology: Prof. A.K. Gupta, Dean

Head & Nodal Officer	Name	Phone Number	Mobile Number	Fax Number	E-mail Address
Head of the Institution	Prof. Mushahid hussain	0581-2507282	9412761430	0581-2527282	<a href="mailto:vcoffice@mjpru.ac.in">vcoffice@mjpru.ac.in</a>
TEQIP Coordinator	Prof. A.K. Gupta	0581-524232	9411005891	0581-524232	akg@mjpru.ac.in

**Table-2: composition of Executive Council (Board of Governors) in the Institution**

<b>S. No.</b>	<b>Name of Member of BoG</b>	<b>Qualifications and positions in the current engagements</b>	<b>Positions in the BoG</b>	<b>Nominated by</b>
	Prof. Mushahid Hussein, Vice-Chancellor	Ph.D.	<b>Chairperson</b>	
<b>Faculty members of the institutions</b>				
	Prof. V. P. Singh	Ph.D.	Member	BoG
	Prof. A.K. Sinha	Ph.D.	Member	BoG
	Prof. N.P. Singh	Ph.D.	Member	BoG
	Prof. S.B.Lal	Ph.D.	Member	BoG
	Dr. K.K. Chaudhary	Ph.D.	Member	BoG
	Dr. Sudhir verma	Ph.D.	Member	BoG
<b>Nominees of the State Government- Nomination requested can be accepted-attach the request letter</b>				
	Mr. K.S. Lakra	Retired Justice of High Court	Member	State Government
	Prof. Najma Akhtar	Ph.D	Member	State Government
	Prof. Amar Singh	Ph.D	Member	State Government
	Prof. A.K. Verma	Ph.D	Member	State Government

## 2.13 Projects targets for institution under sub-component 1.1

Table-30 Projects targets for institution under sub-component 1.1						
S. No.	Deliverables	Base Line	Targets			
			At the end of 2 years of joining the project		By Project Closing	
			Targets to be achieved	Targets achieved Lacs	Targets to be achieved	Targets achieved Lacs
1.	Number of student Registered for (a) Masters of Engineering Program (b) Doctoral program in Engineering	0 0	60 0	0 0	90 15	60 15
2.	Revenue from externally funded R & D projects and consultancies in total revenue (Rs. In Lakhs)	20	50	<b>63.8</b>	65	30
3.	No. of publication in referred in journals (a) National (b) International	55 12	100 140	16 08	125 50	
4.	IRG as % of total annual recurring expenditure	100	200	12.00 crore(120%)	250	
5.	No, co-authored of publication in referred in journals (c) National (d) International	55 12	100 140		50 25	
6.	Student credentials (A) Campus placement rate of (a) UG student (b) PG student (B) Average salary of placement package for (a) UG student (b) PG student	12 Nil 2.54 Nil	3.45	3.7 lacs	4.0 4.5	
7.	No. of collaborative program with industry	Nil	3	17	10	
8.	Accreditation status (obtained and applied for)	Nil	Min. 60% of UG+PG	<b>83.3%</b>	100% of UG+PG Programme	
9.	Vacancy position for faculty staff	39%	Vacancy reduced to 10%	51.4% filled	0	

10.	Percentage of regular faculty having a master degree or Doctorate degree in Engg.	25%	Increase by 20% and 10% respectively	85.7% with Doctorate	100	
11.	Transation rate from 1 <sup>st</sup> and 2 <sup>nd</sup> year for the following <ul style="list-style-type: none"> <li>• All students</li> <li>• SC &amp; ST students</li> <li>• OBC students</li> </ul>	80%	90%	66.4%	80%	
		65%	75%	42.4%	65%	
		77%	87%	76%	75%	
		85%	95%	70%	75%	
12.	Autonomy status	All Ready automatous				
13.	Enrolment of faculty with only Bachelor Degree for qualification up-gradation	11%	At least 50%	100%	100%	
14.	any other academic deliverables					
	i. international collaboration with university	0	1	Nil	3	
	ii. paper presented in international conference/National conference journals/periodicals	214	300	100	100	

**Note:** accreditation applied for fire Engg. Courses Accreditation yet to be obtained from NBA. Due to non-accreditation, AICTE didn't permit the Opening of M.Tech.

S. No.	Eligible parameters	Benchmarks value
1.	<p>agreement to implement all academic and non-academic listed below:</p> <ul style="list-style-type: none"> <li>• Curricular</li>   <li>• Exercise of autonomies</li> <li>• Establishment of corpus fund, faculty development fund equipment replacement and maintenance fund</li> <li>• Generation, retention and utilization of revenue generated through a variety of activities</li>   <li>• Filling up all exiting teaching and staff vacancies</li>   <li>• Delegation of decision making power senior institutional functionaries with accountability</li>   <li>• Improved student performance evaluation</li>   <li>• Performance appraisal of faculty by students</li>   <li>• Faculty incentives for continuing education(CE), consultancy and R&amp;D</li> </ul>	<p>Yes</p> <p>Workshop for curriculum revision of computer science schedule on 1-3 June 2015</p> <p>Yes</p> <p><b>Out of 107 posts 55 filled.</b> On rest parts adhoc faculty members are appointed every year</p> <p>Dean &amp; HoDs are authorised to take some academic decisions.</p> <p>(a) From 2014-15, students are given the opportunity for presentation for 5-10 minutes on subject topics for enhancement of communication skills and confidence &amp; knowledge evaluation.</p> <p>(b) Remedial classes are being taken for improvement of academically weak student.</p> <p>NA</p> <p>(a) 41 faculty members have been deputed for participation in seminars/workshops/conferences organized by other institutions.</p> <p>(b) 34 workshops/seminars/conferences have been organized by various faculty members &amp; department and total 153</p>

	<ul style="list-style-type: none"> <li>• Accreditation of eligible UG and PG programmes</li> </ul>	<p>speakers from India &amp; from abroad delivered their expert lectures</p> <p>Applied for 83.3% UG programme.</p>
2.	<p>Age of the institution from the start of its first academic session (in years):</p> <ol style="list-style-type: none"> <li>Regular states</li> <li>New states tagging in technical education and special category state</li> </ol>	20
3.	Total no. of UG and PG programmes currently conducted	<p>06 engineering programme</p> <p>01 MCA</p> <p>01 B. Pharma</p> <p>03 Science PG</p> <p>02 M. Pharma PG</p>
4.	<p>Faculty position filled on full time basis as percentage of the total faculty positions sanctioned in accordance with the AICTE prescribed student- to – faculty ratio for :</p> <ol style="list-style-type: none"> <li>Government funded and govt. aided institutions</li> <li>Private unaided institutions</li> </ol>	a. 51.4%
5.	Presence of board of governors with an eminent educationist or Industrialist the Chairperson	Prof. Mushahid Hussain, Prof. Department of Physics, Jamia Milia University, Delhi



## Details of Expenditure till March, 31, 2015

S.No.	Activities	Project life allocation in Lacs	Financial year		
			2012-13	2013-14	2014-15
1.	Improvement of teaching, training and learning facilities through:	145	Nil	Nil	Nil
	(i). starting new PG programmes	110	Nil	NIL	NIL
	(ii). Modernization and strengthening of laboratories	20	Nil	25.77	91.54
	(iii). Establishment of new laboratories for existing UG and PG programmes and for new PG programmes	20	Nil	7.39	NIL
	(iv). Modernization of classrooms	60	Nil	9.89	NIL
	(v). Updating of learning resources	60	Nil	NIL	NIL
	(vi). Procurement of Furniture	30	Nil	17.76	
	(vii). Establishment/Up gradation of central and department computer centers	35	Nil	53.76	NIL
	(viii). Modernization/ improvement of supporting department	50	Nil	0.5	NIL
	(ix). Modernization and Strengthen of Library	50	Nil	1.1	Nil
	(x). Minor civil works	20	Nil	20.61	Nil
2.	Providing teaching and research assistantship to increase enrolment in existing and new PG programmes in Engineering disciplines	100	Nil	Nil	Nil
3.	Enhancement of R&D and institutional consultancy activities	100	Nil	NIL	NIL
4.	Faculty and staff development (including faculty qualification up gradation, and organizing / participation of faculty in workshops, seminars and conferences) for improved competence	40	Nil	17.29	22.03
5.	Enhancement interaction with industry	30	Nil	6.29	1.5
6.	Institutional management capacity enhancement reforms	20	Nil	NIL	NIL
7.	Implementation of institutional academic reforms	40	Nil	4.12	11.6
8.	Academic support for weak students	30	Nil	0.77	0.25
9.	Incremental operating cost	100	Nil	13.58	2.44
<b>TOTAL</b>		10 crore		178.83lacs	129.63lacs

## 1.4 Base line data for Engineering discipline.

1.	Total strength of students in all programmes and all years of study	2013-14	2014-2015
		1397	1427
2.	Total women students in all programmes and all years of study	249	286
3.	Total SC students in all programmes and all years of study	268	270
4.	Total ST students in all programmes and all years of study	07	09
5.	Total OBC students in all programmes and all years of study	590	612
6.	Number of fully functional P-4 and above level computers available for students	250	330
7.	Total number of text books and reference books available in library for UG and PG students	28000	30000
8.	% of UG students placed through campus interview	16	21
9.	% of PG students placed through campus interview	NA	NA
10.	% of high quality undergraduates (> 75% marks) passed out	6.9%	15.5%
11.	% of high quality postgraduates (> 75% marks) passed out	NA	NA
12.	Number of research publication in Indian refereed journals	7	9
13.	Number of research publication in International refereed journals	3	5
14.	Number of patents obtained	Nil	Nil
15.	Number of patents filed	Nil	Nil
16.	Number of sponsored research projects completed	Nil	1
17.	The transition rate of students in percentage from 1 <sup>st</sup> year to 2 <sup>nd</sup> year for (i) All students (ii) SC/ST (iii) OBC (iv) Woman	66.4% 42.4% 76% 70%	Result will be declared in July 2015.
18.	IRG from students fee and other charges (Rs. In lakh)	10 crore	12 crore
19.	IRG from externally funded R&D projects, consultancies (Rs. In lakh)	18lacs	20lacs
20.	Total IRG (Rs. In lakh)	10.18 crore	12.2crore
21.	Total annual recurring expenditure of the applicant entity (Rs. In lakh)	9.0 crore	9.5 crore

Note: Academic year for academic data: July to June.

Financial year for financial data: April to March.

**1.3 Status of Faculty Associated with Teaching Engineering Students (Regular & Contract) as on  
31st May 2015:**

Faculty Rank	No. of Sanctioned Regular Posts	Present Status : Number in Position by Highest Qualification												Total regular faculty	Total contract faculty	Vacancy
		Doctoral Degree				Master Degree				Bachelor Degree						
		Engg. dis		other dis		Engg. dis		other dis		Engg. dis		other dis				
		R	C	R	C	R	C	R	C	R	C	R	C			
Prof.	14	1	0	0	0	0	0	0	0	0	0	0	0	01	0	
Asso. Prof.	33	4	0	6	0	4	0	0	0	0	0	0	0	14	0	
Asst. Prof.	73	6	1	5	2	22	30	01	14	06	05	0	0	40	52	
<b>Total</b>	<b>120</b>	<b>11</b>	<b>1</b>	<b>11</b>	<b>2</b>	<b>26</b>	<b>30</b>	<b>1</b>	<b>14</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>55</b>	<b>52</b>	<b>13</b>

**Total no. of Regular and Contract faculty in Engineering: 79**

**Total no. of Regular and Contract faculty in Other Disciplines: 28**

**Total no. of Regular and Contract faculty: 107 (89%)**

**Total Vacancy: 13**

## Academic Information of Different Departments/Courses.

S.No.	Title of Program	Level	Duration	Year of Starting	AICTE sanctioned intake	Status of NBA Accreditation	Total student strength
1.	B.Tech Electrical Engg.	UG	4 years	1996	60	Applied	240
2.	B.Tech Electronics and Instrumentation Engg.	UG	4 years	1995	60	Applied	240
3.	B.Tech Chemical Engg.	UG	4 years	2000	60	-----	240
4.	B.Tech Electronics and Communication Engg.	UG	4 years	1995	60	Applied	240
5.	B.Tech Mechanical Engg.	UG	4 years	1996	60	Applied	240
6.	B.Tech Computer Science and Information Technology	UG	4 years	1995	60	Applied	240
7.	MCA	PG	3 years	1996	30	-----	90
8.	M.Sc.(Mathematics)	PG	2 years	2005	30	-----	60
9.	M.Sc.(Chemistry)	PG	2 years	2005	30	-----	60
10.	M.Sc.(Physics)	PG	2 years	2005	30	-----	60
11.	Ph.D.(Computer Science)	Ph.D.	3 years	2014	15	-----	-----
12.	Ph.D.(Mathematics)	Ph.D.	3 years	2014	02	-----	-----
13.	Ph.D.(Chemistry)	Ph.D.	3 years	2014	05	-----	-----
14.	Ph.D.(Physics)	Ph.D.	3 years	2014	03	-----	-----

## Academic Details of the Faculty

### 2014-15 Session

S.No.	Name of Faculty	Deptt.	Designation	Qualifications	Current status
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1.	Prof. A.K. Gupta	Electrical Engineering	Professor	B.Tech, M.Tech & Ph.D	-----
2.	Mr. Sanjay singh	Electrical Engineering	Assistant Prof.	B.Tech.	Pursuing Ph.D From IFTM University Moradabad
3.	Mr. D.D. Sharma	Electrical Engineering	Associate Prof.	B.Tech. & M.Tech.	Pursuing Ph.D From IIT Kanpur University w.e.f July-2012
4.	Mr. M.A. Ansari	Electrical Engineering	Assistant Prof.	B.Tech.	Pursuing M.Tech. From NITTTR Chandigarh
5.	Mr. A.R. Ansari	Electrical Engineering	Assistant Prof.	B.Tech. & M.Tech.	-----
6.	Mr. Atul Katiyar	Electrical Engineering	Assistant Prof.	B.Tech.	Pursuing M.Tech. From IIT Delhi University w.e.f July-2012
7.	Mr. Ashish Sankhwar	Electrical Engineering	Assistant Prof.	B.Tech. & M.Tech.	-----
8.	Mr. Atul Sarojwal	Electrical Engineering	Assistant Prof.	B.Tech.	Pursuing Ph.D From Invertis University Bareilly
9.	Dr. Sanjeev Tyagi	Electronics & Instrumentation	Associate Prof.	M.Sc., M.Tech & Ph.D	-----
10.	Mr. Yograj Duksh	Electronics & Instrumentation	Associate Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from IIT Roorkee
11.	Mr. Yatendra Kumar	Electronics & Instrumentation	Associate Prof.	B.Tech. & M.Tech.	-----
12.	Mr. Ashish Jain	Electronics & Instrumentation	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from IIT Delhi w.e.f 2013
13.	Mr. Anil Singh	Electronics & Instrumentation	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from ISM Dhanbad
14.	Mr. Rakesh Maurya	Electronics & Instrumentation	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D
15.	Dr. Reena Pant	Electronics & Instrumentation	Assistant Prof.	B.Tech., M.Tech. & Ph.D	-----
16.	Dr. Ruchir Gupta	Electronics & Instrumentation	Assistant Prof.	B.Tech. & Ph.D	On Leave
17.	Mr. Ajay Yadav	Electronics & Instrumentation	Assistant Prof.	B.Tech.	Pursuing M.Tech. from NITTTR Chandigarh

<b>S.No.</b>	<b>Name of Faculty</b>	<b>Deptt.</b>	<b>Designation</b>	<b>Qualifications</b>	<b>Current status</b>
18.	Dr. O.P. Upadhyay	Mechanical Engineering	Assistant Prof.	M.Sc. , Ph.D & MBA	---
19.	Dr. T.U Siddiqui	Mechanical Engineering	Assistant Prof.	B.Tech., M.Tech. & Ph.D	---
20.	Mr. S.K. Chaurasia	Mechanical Engineering	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from IIT Roorkee w.e.f. July 2013
21.	Mr. Vishal Saxena	Mechanical Engineering	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from NIT Jalandhar
22.	Mr. Manoj Kumar Singh	Mechanical Engineering	Assistant Prof.	B.Tech & M.Tech.	Pursuing Ph.D from IIT Delhi w.e.f. July 2012
23.	Dr. S.K. Tomar	Electronics & Communication	Associate Prof.	B.Tech., M.Tech. & Ph.D	---
24.	Dr. Manish Rai	Electronics & Communication	Assistant Prof.	B.Tech., M.Tech. & Ph.D	---
25.	Mr. Sumit Shrivastava	Electronics & Communication	Assistant Prof.	B.Tech.	Pursuing M.Tech
26.	Ms. Inderpreet Kaur	Electronics & Communication	Assistant Prof.	B.Tech. & M.Tech.	---
27.	Ms. Chhavi Sharma	Electronics & Communication	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from NIT Kurushetra
28.	Mr. Hari Kumar Singh	Electronics & Communication	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D
29.	Mr. Janak Kapoor	Electronics & Communication	Assistant Prof.	B.Tech. & M.Tech.	---
30.	Mr. Ravindra Singh	Computer Science & Information Technology	Associate Prof.	B.Tech & Ph.D	---
31.	Dr. S.S. Bedi	Computer Science & Information Technology	Assistant Prof.	B.Tech., M.Tech. & Ph.D	---
32.	Dr. Vinay Rishiwal	Computer Science & Information Technology	Assistant Prof.	B.Tech. & Ph.D	---
33.	Dr. Ashutosh Gupta	Computer Science & Information Technology	Associate Prof.	AIMIE, M.Tech. & Ph.D	---
34.	Mr. Brijesh Kumar	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from IIT Kanpur w.e.f. July 2012
35.	Mr. Akthar Hussain	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from IIT Roorkee w.e.f. July 2013
36.	Mr. Ashvini Gupta	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	

37.	Mr. Anil Bisht	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	---
38.	Mr. Pankaj	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	---
39.	Ms.Pooja Yadav	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	---
40.	Ms. Preeti Yadav	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	---
41.	Ms. Iram Naim	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	---
42.	Mr. B.R. Ambedkar	Computer Science & Information Technology	Assistant Prof.	B.Tech. & M.Tech.	---
43.	Mr. M.S. Karuna	Chemical Engineering	Assistant Prof.	B.Tech. & M.Tech.	Pursuing Ph.D from IFTM University Moradabad
44.	Dr. S.K. Pandey	Applied Chemistry	Associate Prof.	B.Sc. M.Sc. & Ph.D	---
45.	Dr. Nevedita Shrivastava	Applied Chemistry	Assistant Prof.	B.Sc. M.Sc. & Ph.D	---
46.	Dr. Pramandra Kumar	Applied Chemistry	Assistant Prof.	M.Sc., M.Tech & Ph.D	---
47.	Dr. Shushmita Gupta	Applied Chemistry	Assistant Prof.	B.Sc. M.Sc. & Ph.D	---
48.	Mr. Sandeep Kumar	Applied Chemistry	Assistant Prof.	B.Sc. M.Sc.	Pursuing Ph.D IIT Roorkee
49.	Dr. Sudhir Kumar	Applied Physics	Associate Prof.	B.Sc. M.Sc. & Ph.D	---
50.	Dr. Saleem Khan	Applied Physics	Associate Prof.	B.Sc. M.Sc. & Ph.D	---
51.	Dr. Archana Gupta	Applied Physics	Associate Prof.	B.Sc. M.Sc. & Ph.D	---
52.	Dr. A. Prasad	Applied Mathematics	Associate Prof.	B.Sc. M.Sc. & Ph.D	---
53.	Dr. Madan Lal	Applied Mathematics		B.Sc. M.Sc. & Ph.D	---
54.	Dr. Asha Chaubey	Humanities	Associate Prof.	B.A., M.A. & Ph.D	---
55.	Dr. Anita Tyagi	Humanities	Assistant Prof.	B.A., M.A. Ph.D & MBA	---

## **2014-15 Session**

No. of faculty with Ph.D	:	23
No. of faculty with M.Tech.	:	26
No. of faculty with M.Sc.	:	01
No. of faculty with B.Tech.	:	06
No. of faculty with M. Tech. pursuing Ph.D	:	13
No. of faculty with M.Sc. pursuing Ph.D	:	01
No. of faculty with B.Tech. pursuing Ph.D	:	02
No. of faculty with B.Tech. pursuing M.Tech.	:	04
Total Faculty	:	56



# Faculty of Engineering & Technology

## MJP Rohilkhand University, Bareilly

### Faculty of contract

S. No.	Name	Deptt.	Qualification	Specialization	Date of Joining
1.	ANKIT VARSHNEY	EE	M.Tech	EE	20/AUG/2014
2.	GHANAKASH GAUTAM	EE	M.Tech	EE	20/AUG/2014
3.	SHADAB AHMED	EE	M.Tech	EE	20/AUG/2014
4.	GLORY PACHNANDA	EI	M.Tech	EI	20/AUG/2014
5.	BABITA RAWAT	EI	M.Tech	EI	20/AUG/2014
6.	SHANTI CHANDRA	EI	M.Tech	EI	20/AUG/2014
7.	SIMITA SHAKYA	EI	M.Tech	EI	20/FEB/2015
8.	TALHA CHISHTI	EC	M.Tech	EC	20/AUG/2014
9.	POOJA SINGH	EC	M.Tech	EC	20/AUG/2014
10.	SARVESH SAHAI	ME	B.Tech	ME	20/AUG/2014
11.	SHASHI LATA	ME	M.Tech	ME	20/AUG/2014
12.	SHEEBA NAJ	ME	B.Tech	ME	20/AUG/2014
13.	MUNENDRA PAL SINGH	ME	M.Tech	ME	20/AUG/2014
14.	PRASHANT JOHRI	ME	M.Tech	ME	20/AUG/2014

15.	SHASHANK SRIVASTAVA	<b>ME</b>	B.Tech	<b>ME</b>	20/AUG/2014
16.	FARKHUNDA REHMAN	<b>ME</b>	B.Tech	<b>ME</b>	20/AUG/2014
17.	ADITYA PRAKASH	<b>ME</b>	B.Tech	<b>ME</b>	20/AUG/2014
18.	MOHD MAMOON KHAN	<b>ME</b>	M.Tech	<b>ME</b>	20/AUG/2014
19.	PRASHANT KR. SINGH	<b>CSIT</b>	M.Tech	<b>CSIT</b>	20/AUG/2014
20.	ARUN KR. YADAV	<b>CSIT</b>	M.Tech	<b>CSIT</b>	20/AUG/2014
21.	UROOJ	<b>CSIT</b>	M.Tech	<b>CSIT</b>	20/AUG/2014
22.	SMRATI	<b>CSIT</b>	M.Tech	<b>CSIT</b>	20/AUG/2014
23.	KRISHNA	<b>CSIT</b>	M.Tech	<b>CSIT</b>	20/AUG/2014
24.	PARUL	<b>CH</b>	M.Tech	<b>CH</b>	20/AUG/2014
25.	HUMA WARSİ KHAN	<b>CH</b>	M.Tech	<b>CH</b>	20/AUG/2014
26.	ANJALI	<b>CH</b>	M.Tech	<b>CH</b>	20/AUG/2014
27.	SONA MAHESHWARI	<b>CH</b>	M.Tech	<b>CH</b>	20/AUG/2014
28.	ARADHANA KANCHAN	<b>CH</b>	M.Tech	<b>CH</b>	20/AUG/2014
29.	H.L ARORA	<b>CH</b>	M.Tech	<b>CH</b>	20/AUG/2014
30.	P.N.RAM	<b>CH</b>	Ph.D.	<b>CH</b>	20/AUG/2014
31.	SONAM SRIVASTAVA	<b>HU</b>	M.B.,A.	<b>HU</b>	20/AUG/2014
32.	AMIT KUMAR	<b>PHY</b>	M.Sc.	<b>PHY</b>	20/AUG/2014
33.	JAGDEESH CHANDRA	<b>PHY</b>	M.Sc.	<b>PHY</b>	20/AUG/2014
34.	RAJESH KUMAR	<b>PHY</b>	M.Sc.	<b>PHY</b>	20/AUG/2014
35.	MEGHA AGARWAL	<b>PHY</b>	M.Sc.	<b>PHY</b>	20/AUG/2014

36.	SOMYA SAXENA	<b>PHY</b>	M.Sc.	<b>PHY</b>	20/AUG/2014
37.	RAJAT SAXENA	<b>PHY</b>	M.Sc.	<b>PHY</b>	20/AUG/2014
38.	KAPIL GANGWAR	<b>MATHS</b>	M.Sc.	<b>MATHS</b>	20/AUG/2014
39.	RAM JI PRASAD	<b>MATHS</b>	M.Sc.	<b>MATHS</b>	20/AUG/2014
40.	AKANSHA KHANDELWAL	<b>MATHS</b>	M.Sc.	<b>MATHS</b>	20/AUG/2014
41.	PUSHPENDRA KUMAR	<b>MATHS</b>	M.Sc.	<b>MATHS</b>	20/AUG/2014
42.	ANIL KUMAR	<b>CHEM</b>	Ph.D.	<b>CHEM</b>	20/AUG/2014
43.	ANJALI SHARMA	<b>CHEM</b>	Ph.D.	<b>CHEM</b>	20/AUG/2014
44.	NIDA KHAN	<b>CHEM</b>	M.Sc.	<b>CHEM</b>	20/AUG/2014
45.	MOHD.SALEEM	<b>PHY</b>	M.Sc.	<b>PHY</b>	20/AUG/2014
46.	NITISH KUMAR	<b>CSIT</b>	M.Tech	<b>CSIT</b>	20/AUG/2014
47.	SAKSHI AGRAWAL	<b>MATHS</b>	M.Sc.	<b>MATHS</b>	20/AUG/2014
48.	SABA HUSSAIN	<b>CH</b>	M.Tech	<b>CH</b>	20/AUG/2014
49.	SIMITA SHAKYA	<b>EI</b>	M.Tech	<b>EI</b>	20/AUG/2014
50.	RAJ KUMAR	<b>EC</b>	M.Tech	<b>EC</b>	20/MAR/2015
51.	CHENDRA PRAKESH	<b>EC</b>	M.Tech	<b>EC</b>	20/MAR/2015
52.	NITESH	<b>CS</b>	M.TECH	<b>CS</b>	10/MAR/2015

# List of Publications in Journals

## Dr. Sudhir Kumar

1. Tran blaha modified Becke-johson potential band structure including spin orbit interaction, S. Kumar, Suman Pandey, S. Auluck, Advances in optoelectronic Materials (AOM) Volume 2 Issue 1, February 2014.
2. An ab-initio study of CuInSe<sub>2</sub> based ordered defect compound: S. Kumar, Suman Panday and S. Auluck (Material chemistry and physics, communication 2015).
3. Tuning of electronic and thermo dynamical properties of N and F Co doped ZnO: A hybrid DFT based investigation (2015), S. Kumar, Durgesh Kumar Sharma, Suman Joshi, R. Crau-Crespo and Umesh Waghmare 2015.
4. Electronics and optical properties of cation-anion codoped SnO<sub>2</sub> Tuning: A hybrid DFT based investigation (2015), S. Kumar, Durgesh Kumar Sharma, Suman Joshi, 2015.
5. Band gap engineering of CuAl<sub>1-x</sub>In<sub>x</sub>S<sub>2</sub> alloys for photovoltaic applications: A first Principal Study, S. Kumar, Suman Joshi, R. Grau-Crespro and S. Auluck 2015.
6. Stacking sequence dependent electronic properties of grapheme: An ab-initio study, Swatantra K. Gupta, S. Kumar and S. Auluck, Solid State Communication (communicated) 2015.
7. Ab-initio study of Electronic, optical and thermo dynamical properties of ordered B<sub>x</sub>Al<sub>1-x</sub>N<sub>x</sub> alloy. S. Kumar, Suman Joshi, B. Joshi and S. Auluck (European Journal of Physics 2015).
8. Dependence of the lattice Constants and Optical Energy Gap on x in InAs<sub>1-x</sub>N alloy with: A first Principle Study, S. Kumar, Suman Joshi and R. Goldhahn.
9. Tuning of electronic and optical properties of CuGaSe<sub>2</sub> based defect compounds (ODC), S. Kumar, Suman Joshi and S. Auluck, (communicated 2015).

## Vishal Saxena

1. Development of Mathematical model of chiller systems considering heat as well as pressure losses.

MIT International journal of Mechanical Engineering Vol-4 No.-2 Aug 2014 pp 115-119, ISSN No. 2230-76802 MIT Publication.

2. Impact of fouling on condenser and evaporator of chiller system-An Experimental observation International Journal of Science and Technology BLBIJST, (ISSN NO 0976-3074) @ BLBIJST Publication- 2014.

## Details of Publications/Workshops/Seminars/Conferences

# Yograj Singh Duksh

Publications (Last five Years) IN Indexed/Peer Reviewed Journals/Conferences

International Journals

(Note: Expect the papers mentioned below, two papers communicated shortly)

(1). Yograj Singh Duksh, Brajesh Kumar Kaushik, and Rajendra Prasad Agarwal, "FDTD Technique based Crosstalk Analysis of Bundled SWCNT Interconnects," Journal of Semiconductors (JOS), Communicated on October 19, 2014, Revised on December 29, 2014 and Accepted on January 04, 2015, Final paper will be published in Vol. 36, No. 5, May 2015.

(2). Yograj Singh Duksh, Brajesh Kumar Kaushik, Sankar Sarkar and Raghuvir Singh, "Analysis of Propagation Delay and power with Variation in Driver Size and Number of Shells in Multi Walled Carbon Nanotube Interconnects," Journal of Engineering, Design and Technology (JEDT), Emerald, ISSN: 1726-0531, U.K., Vol. 11, No. 1, pp. 19-33, DOI 10.1108/17260531311309107.

S.NO.	TITLE OF PAPER	CO-AUTHORS(S), IF ANY	NAME OF JOURNAL	VOL. & YEAR	PAGES
1.	Multi-characteristics optimization in Abrasive Water Jet Cutting of Kevlar Composites using Taguchi Orthogonal Array with Principal Component Analysis		International Journal of Research and Development	Vol. 2012	pp.
2.	Optimization of multiple performance characteristics using awj cutting process for aerospace grade fibrous Kevlar composites		International review of applied engineering & research	Vol. 3, No. 4 2013	pp. 74-78
3.					

S.NO.	TITLE OF PAPER	CO-AUTHOR(S), IF ANY	NAME OF THE CONFERENCE	DATE & YEAR
1.	Robust process parameter design in abrasive water jet cutting of aerospace grade Kevlar	Rajat Srivastava	International conference on recent advance in mechanical	Dr. MGR Educational and Research Institute, Chennai

	fibre polymer composites		engineering INCRAME 2012	Tamilnadu 25-26 April 2012.
2.	Experimental and Analytical investigations for Abrasive of Waterjet Hole Trepanning of Thick Kevlar-epoxy Composites used in Ballistic Applications	Mukul Shukla	21 <sup>st</sup> BHR International water jetting conferences	19-21 Sept. 2012 Ottawa Canada
3.	Optimization of multiple performance characteristics using AWJ cutting process for Aerospace grade fibrous Kevlar composites		International Conference on Innovative trends in natural/Applied science and Energy technology for sustainable development	JNU, New Delhi 27-28 July, 2013.
4.	Mathematical model and optimized parameters design in AWJ machining of aircraft grade Kevlar-epoxy composites	Munendar Pal	International conference on academic research in engineering, management and information technology	MJPRU Bareilly 21-23 Feb., 2015 pp-10
5.	Effect of electrochemical techniques of hard coatings on friction and wear properties of light metal alloys: A review	Gurang Deep	International conference on academic research in engineering, management and information technology	MJPRU Bareilly 21-23 Feb., 2015 pp-35
6.	Manufacturing and characterization of Al based particle composites: a review	Faran Ali Khan	International Conference on Science & Technology	SRMSCET Bareilly, UP 27-28 Feb., 2015 pp.....

## S. K. Pandey

1. An Efficient and Straight Forward Synthesis of (5S)-1-benzyl-5-(1 H-imidazol-1-ylmethyl)-2-pyrrolidinone (MM1): A Novel antihypertensive agent; Jagdish Prasad Manohar Bhushan Pathak and Sharad Kumar Panday, Med. Chem. Research, 21, 321-324(2012)(IF 1.5)

## Dr. Pramendra Kumar

1. V. Singh, P. Kumar, R. Sanghi, Use of microwave irradiation in the grafting modification of the polysaccharides-A review, Progress in polymer science, 37(2), (2012), 340-364
2. Usha, Shamin Ahmad, Pramendra Kumar, Determination of water quality index and fitness of urban water bodies in Bilari town of Moradabad (Uttar Pradesh), 5(11), (2013), 726-731.